

Abstract

A low-cost process technology is proposed for the making and manufacture of bus electrodes or fence electrodes, which are structural parts or objects of a Plasma Display Panel (PDP). The low-cost process proposed makes the above-mentioned bus electrodes or fence electrodes that exhibit outstanding conductivity and sufficient shading characteristics. The proposed PDP has a front panel and a back panel. The back panel is set at a fixed distance from the front panel. The front panel has a number of two or more sustain scan electrodes arranged in parallel on the above-mentioned front panel surface, two or more data electrodes arranged in the direction which crosses the above-mentioned sustain scan electrodes, and two or more partitions that are arranged between the above-mentioned front panel and the above-mentioned back panel, in order to divide the electric discharge cell. The above-mentioned sustain scan electrode has a transparent electrode and a bus electrode arranged on the above-mentioned transparent electrode. The above-mentioned bus electrode is formed sequentially from the side that touches the above-mentioned transparent electrode with a double-layer composition. The double layer composition is composed of a black ground layer and a non-black electric conduction layer. The above-mentioned bus electrode is formed by first exposing light or lights on a positive type photosensitive paste on the above-mentioned black ground layer by using the above-mentioned non-black electric conduction layer as a pattern formation mask, and secondly the above-mentioned black ground layer is applied.